

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|---|--|---|--|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT MAY 19 2003 (use as many sheets as necessary) Sheet 1 of 1 | | Complete if Known Application Number 10/028, 156 Filing Date 12/21/2001 First Named Inventor ROGER A. SABBADINI Group Art Unit 1654 Examiner Name LEARY, L. Attorney Docket Number 078853-0304 | |
|---|--|---|--|

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| CC | A1 | 5,989,803 | | Tabas et al. | November 23, 1999 | CLASS 435 / 4 SUBCLAS |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|--|--|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Documents | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
| CC | A2 | WO | 01 37836 A | | Emory University | May 31, 2001 | |
| CC | A3 | WO | 01 71045 | | Millennium Pharmaceuticals, Inc. | Sept. 27, 2001 | |
| CC | A4 | WO | 00 56135 | | Regents of the University of California | Sept. 28, 2000 | |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|----------|--|----------------|--|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ | |
| CC | A5 | Sabbadini et al., "The MIRF trial: Predicting the incidence and severity of CAD using serum sphingolipids." Circulation, 102: 11699, 2000 (Abstract). | | |
| CC | A6 | Nakajima et al., "Expression and characterization of Edg-1 receptors in rat cardiomyocytes: Calcium deregulation in response to sphingosine 1-phosphate." European Journal of Biochemistry, 267: 5679-5686, 2000. | | |
| CC | A7 | Huwiler et al., "Physiology and pathophysiology of sphingolipid metabolism and signaling." Biochimica Et Biophysica Acta, 1485: 63-99, 2000. | | |
| CC | A8 | International Search Report issued in PCT Application No. PCT/US01/50785 | | |
| | | | | |

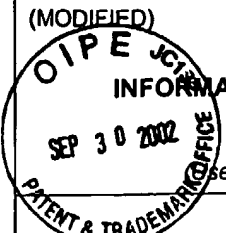
| | | | |
|--------------------|------------------|-----------------|--------|
| Examiner Signature | <i>Laura Lee</i> | Date Considered | 4/2004 |
|--------------------|------------------|-----------------|--------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. 10/028156 | | |
|---|-----|---|------------|---------------------------------|-------|-------------------------|----------------------------------|----|
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANT Roger A. Sabbadini | | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT 1654 | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE | |
| LL | A1 | 6,210,976 | 04/03/2001 | Sabbadini | 436 | 518 | | |
| LL | A2 | 5,929,039 | 07/27/1999 | Woodcock, et al. | 514 | 37 | | |
| LL | A3 | 5,677,288 | 10/14/1997 | Marangos | 514 | 39 | | |
| LL | A4 | 20010041688 | 11/15/2001 | Waeber, et al. | 435 | 69.1 | | |
| LL | A5 | 4,150,949 | 04/24/1979 | Smith | 23 | 230 | | |
| LL | A6 | 5,369,030 | 11/29/1994 | Hannun, et al. | 435 | 240.2 | | |
| LL | A7 | 5,631,394 | 05/20/1997 | Wei, et al. | 556 | 404 | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| LL | A33 | WO 98/57179 | 10/12/2000 | PCT | | | X | |
| LL | A34 | WO 01/80903 | 11/01/2001 | PCT | | | X | |
| LL | A35 | WO 99/12890 | 03/18/1999 | PCT | | | X | |
| LL | A36 | WO 99/41266 | 08/19/1999 | PCT | | | X | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| LL | A69 | Abe, et al., "Glycosphingolipid depletion in Fabry disease lymphoblasts with potent inhibitors of glucosylceramide synthase," <i>Kidney International</i> , 57:446-454 (2000) | | | | | | |
| LL | A70 | Abe, et al., "Structural and stereochemical studies of potent inhibitors and glucosylceramide synthase and tumor cell growth," <i>Journal of Lipid Research</i> , 36:611-621 (1995) | | | | | | |
| LL | A71 | Abe, et al., "Use of Sulfobutyl Ether β -Cyclodextrin as a Vehicle for D-threo-1-Phenyl-2-decanoylamino-3-morpholinopropanol-Related Glucosylceramide Synthase Inhibitors," <i>Analytical Biochemistry</i> , 287:344-347 (2000) | | | | | | |
| LL | A72 | An, et al., "Characterization of a Novel Subtype of Human G Protein-coupled Receptor for Lysophosphatidic Acid," <i>J. Biol. Chem.</i> , 273:7906-7910 (1998) | | | | | | |
| LL | A73 | An, et al., "Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids," <i>FEBS Letts.</i> , 417:279-282 (1997) | | | | | | |
| EXAMINER Louise Lee | | | | DATE CONSIDERED 4/04 | | | | |
| * EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant. | | | | | | | | |

| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. 10/028156 APPL_NO02 | |
|--|-----|--|------------|---------------------------------|-------|---|----------------------------------|
|  INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANT Roger A. Sabbadini | | GROUP ART UNIT 1654 USPTO_ART_UNIT02 | |
| | | | | FILING DATE 12/21/2001 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
| CC | A8 | 5,677,337 | 10/14/1997 | Wei, et al. | 514 | 546 | |
| CC | A9 | 6,323,201 | 11/27/2001 | Carson, et al. | 514 | 234.2 | |
| | A10 | 4,937,232 | 06/26/1990 | Bell, et al. | 514 | 26 | |
| | A11 | 4,816,450 | 03/28/1989 | Bell, et al. | 514 | 25 | |
| | A12 | 5,331,014 | 07/19/1994 | Kimura, et al. | 514 | 642 | |
| | A13 | 5,137,919 | 08/11/1992 | Igarashi, et al. | 514 | 642 | OCT 03 2002 |
| | A14 | 5,151,360 | 09/29/1992 | Handa, et al. | 435 | 240.2 | |
| | A15 | 6,187,562 | 02/13/2001 | Duckworth, et al. | 435 | 69.1 | TECH CENTER 1600/2900 |
| | A16 | 5,851,782 | 12/22/1998 | Hannun, et al. | 514 | 360 | |
| | A17 | 5,079,263 | 01/07/1992 | Zeeck, et al. | 514 | 616 | |
| | A18 | 5,444,087 | 08/22/1995 | Patel, et al. | 514 | 475 | |
| | A19 | 6,284,798 | 09/04/2001 | Amtmann, et al. | 514 | 632 | |
| | A20 | 6,306,911 | 10/23/2001 | Wachter, et al. | 546 | 193 | |
| | A21 | 6,051,598 | 04/18/2000 | Shayman, et al. | 514 | 428 | |
| | A22 | 5,919,687 | 07/06/1999 | Chatterjee | 435 | 199 | |
| | A23 | 5,663,404 | 09/02/1997 | Igarashi, et al. | 558 | 169 | |
| | A24 | 5,260,288 | 11/09/1993 | Igarashi, et al. | 514 | 114 | |
| | A25 | 5,391,800 | 02/21/1995 | Igarashi, et al. | 558 | 145 | |
| | A26 | 5,430,160 | 04/04/1995 | Boumendjel, et al. | 549 | 510 | |
| | A27 | 5,248,824 | 09/28/1993 | Igarashi, et al. | 564 | 292 | |
| | A28 | 5,912,144 | 06/15/1999 | Au-Young, et al. | 435 | 69.1 | |
| | A29 | 6,130,067 | 10/10/2000 | Tsui | 435 | 69.1 | |
| | A30 | 6,057,126 | 05/02/2000 | Munroe, et al. | 435 | 69.1 | |
| | A31 | 5,585,476 | 12/17/1996 | MacLennan, et al. | 536 | 23.5 | |
| CC | A32 | 6,140,060 | 10/31/2000 | Chun, et al. | 435 | 7.1 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

EXAMINER: 

DATE: 4/2004

Form PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

078853-0302

SERIAL NO. 101628156
APPL_N003

INFORMATION DISCLOSURE CITATION

APPLICANT

Roger A. Sabbadini

FILING DATE

12/21/2001

GROUP ART UNIT 1654

USPTO_ART_UNIT03

(use several sheets if necessary)

FOREIGN PATENT DOCUMENTS

| REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION | |
|-----|--------------------|----------------|------------|-------|---------------|-------------|----|
| | | | | | | YES | NO |
| LL | A37 | WO 00/00593 | 01/06/2000 | PCT | | X | |
| | A38 | WO 00/21919 | 04/20/2000 | PCT | | X | |
| | A39 | Intentionally | Left | Blank | | | |
| | A40 | WO 00/52173 | 09/08/2000 | PCT | | X | |
| | A41 | WO 00/58448 | 10/05/2000 | PCT | | | X |
| | A42 | WO 00/58491 | 10/05/2000 | PCT | | | X |
| | A43 | WO 00/59517 | 10/12/2000 | PCT | | X | |
| | A44 | WO 00/70028 | 11/23/2000 | PCT | | X | |
| | A45 | WO 00/72833 A2 | 12/07/2000 | PCT | | | X |
| | A46 | WO 01/04108 | 01/18/2001 | PCT | | X | |
| | A47 | WO 01/04139 | 01/18/2001 | PCT | | X | |
| | A48 | WO 01/07418 | 02/01/2001 | PCT | | X | |
| | A49 | WO 01/31029 | 05/03/2001 | PCT | | X | |
| | A50 | WO 01/38295 | 05/31/2001 | PCT | | | X |
| | A51 | WO 01/55410 | 08/02/2001 | PCT | | X | |
| | A52 | WO 01/57057 | 08/09/2001 | PCT | | X | |
| | A53 | WO 01/60990 | 08/23/2001 | PCT | | X | |
| | A54 | WO 01/72701 | 10/04/2001 | PCT | | X | |
| | A55 | WO 01/85953 | 11/15/2001 | PCT | | X | |
| | A56 | WO 97/44019 | 11/27/1997 | PCT | | X | |
| | A57 | WO 98/03529 | 01/29/1998 | PCT | | | X |
| | A58 | WO 98/28445 | 07/02/1998 | PCT | | X | |
| | A59 | WO 98/40349 | 09/16/1998 | PCT | | | X |
| | A60 | WO 99/07855 | 08/11/1998 | PCT | | | X |
| | A61 | WO 99/12890 | 03/18/1999 | PCT | | | X |
| | A62 | WO 99/16888 | 04/08/1999 | PCT | | X | |
| | A63 | WO 99/33972 | 07/08/1999 | PCT | | X | |
| LL | A64 | WO 99/38983 | 08/05/1999 | PCT | | X | |
| LL | A65 | WO 99/41265 | 08/19/1999 | PCT | | | X |

RECEIVED

OCT 03 2002

TECH CENTER 1600/2900

Examiner: *[Signature]*

DATE: 4/2004

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
078853-0302

SERIAL NO. 10/028 156
APPL NO03

INFORMATION DISCLOSURE CITATION

APPLICANT

Roger A. Sabbadini

FILING DATE

12/21/2001

GROUP ART UNIT 1654

USPTO ART UNIT03

(Use ~~several~~ several sheets if necessary)

FOREIGN PATENT DOCUMENTS


[illegible]

Examiner: Louisa

DATE: 4/2004

| | | | | | | | |
|---|-----|---|--|---------------------------------|--|--|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. <u>10/028156</u> APPL_N004 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANT Roger A. Sabbadini | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| LL | A74 | An, et al., "Sphingosine 1-phosphate-induced cell proliferation, survival, and related signaling events mediated by G protein-coupled receptors Edg3 and Edg5," <i>J. Biol. Chem.</i> , <u>275</u> :288-296 (2000) | | | | | |
| LL | A75 | Ancellin, et al., "Extracellular export of sphingosine kinase-1 enzyme: Sphingosine 1 phosphate generation and the induction of angiogenic vascular maturation," <i>JBC Papers in Press</i> , Published 12/10/01 (manuscript M102841200). | | | | | |
| LL | A76 | Andrieu-Abadie, et al., "L-carnitine prevents doxorubicin-induced apoptosis of cardiac myocytes: role of inhibition of ceramide generation," <i>FASEB J.</i> , <u>13</u> :1501-1510 (1999) | | | | | |
| LL | A77 | Arenz, et al., "Manumycin A and Its Analogues Are Irreversible Inhibitors of Neutral Sphingomyelinase," <i>ChemiBiochem.</i> , <u>2</u> :141-143 (2001) | | | | | |
| LL | A78 | Arenz, et al., "Synthese des ersten selektiven irreveriblen Inhibitors der neutralen Sphingomyelinase," <i>Angew Chem.</i> , <u>112</u> :1498-1500 (2000) (GERMAN) | | | | | |
| LL | A79 | Arenz, et al., "Synthesis and Biochemical Investigation of Scyphostatin Analogues as Inhibitors of Neutral Sphingomyelinase," <i>Bioorganic & Medicinal Chemistry</i> , <u>9</u> :2901-2904 (2001) | | | | | |
| LL | A80 | Arenz, et al., "Synthesis of the First Selective Irreversible Inhibitor of Neutral Sphingomyelinase," <i>Eur. J. Org. Chem.</i> , 137-140 (2001) | | | | | |
| LL | A81 | Ariga, et al., "Role of Sphingolipid-mediated cell death in neurodegenerative diseases," <i>Journal of Lipid Research</i> , <u>39</u> :1-16 (1998) | | | | | |
| LL | A82 | Bajjalieh, et al., "Ceramide Kinase," <i>Methods in Enzymology</i> , <u>311</u> :207-215 (1999) | | | | | |
| LL | A83 | Intentionally Left Blank | | | | | |
| LL | A84 | Intentionally Left Blank | | | | | |
| LL | A85 | Bawab, et al., "Molecular Cloning and Characterization of a Human Mitochondrial Ceramidase," <i>J. Biol. Chem.</i> , <u>275</u> :21508-21513 (2000) | | | | | |
| LL | A86 | Bernardo, et al., "Purification and Characterization of a Magnesium-dependent Neutral Sphingomyelinase from Bovine Brain," <i>J. Biol. Chem.</i> , <u>275</u> :7641-7647 (2000) | | | | | |
| LL | A87 | Bitto, et al., "Sphingosylphosphocholine modulates the ryanodine receptor/calcium-release channel of cardiac sarcoplasmic reticulum membranes," <i>Biochem. J.</i> , <u>322</u> :327-333 (1997) | | | | | |
| LL | A88 | Bielawska, et al., "(1S, 2R)-D-erthro-2-(N-Myristoylamino)-1-phenyl-1-propanol as an Inhibitor of Ceramidase," <i>J. Biol. Chem.</i> , <u>271</u> :12646-12654 (1996) | | | | | |

Examiner:



DATE: 4/2004

| | | | | | | | |
|--|------|---|--|---------------------------------|--|--|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. <u>10/028156</u> APPL. NO. 04 | |
| INFORMATION DISCLOSURE CITATION SEP 30 2002 (Use several sheets if necessary) | | | | APPLICANT Roger A. Sabbadini | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| LL | A89 | Bielawska, et al., "Ceramide Is Involved in Triggering of Cardiomyocyte Apoptosis Induced by Ischemia and Reperfusion," <i>Am. J. Pathol.</i> , <u>151</u> (5):1257-1263 (1997) | | | | | |
| LL | A90 | Boudker, et al., "Detection and Characterization of Ceramide-1-phosphate Phosphatase Activity in Rat Liver Plasma Membrane," <i>J. Biol. Chem.</i> , <u>268</u> :22150-22155 (1993) | | | | | |
| LL | A91 | Brady, et al., "The metabolism of sphingomyelin. II. Evidence of an enzymatic deficiency in Niemann-Pick disease," <i>Proc. Natl. Acad. Sci. USA</i> , <u>55</u> (2):366-369 (1966) | | | | | |
| LL | A92 | Brindley, et al., "Analysis of Ceramide 1-phosphate and Sphingosine-1-phosphate Phosphatase Activities," <i>Methods in Enzymology</i> , <u>311</u> :233-244 (1999) | | | | | |
| LL | A93 | Brownlee, C., "Intracellular signalling: sphingosine-1-phosphate branches out," <i>Current Biology</i> , <u>11</u> :R535-R538 (2001) | | | | | |
| LL | A94 | Burton, et al., "Human antibodies from combinatorial libraries," <i>Adv. Immunol.</i> , <u>57</u> :191-280 (1994) | | | | | |
| LL | A95 | Cain, et al., "Therapeutic Strategies to Reduce TNF- α Mediated Cardiac Contractile Depression Following Ischemia and Reperfusion," <i>J. Mol. Cell. Cardiol.</i> , <u>31</u> :931-947 (1999) | | | | | |
| LL | A96 | Caligan, et al., "A High-Performance Liquid Chromatographic Method to Measure Sphingosine 1-Phosphate and Related Compounds from Sphingosine Kinase Assays and Other Biological Samples," <i>Analytical Biochemistry</i> , <u>281</u> :36-44 (2000) | | | | | |
| LL | A97 | Chan, et al., "Ceramide Path in Human Lung Cell Death," <i>Am. J. Respir. Cell Mol. Biol.</i> , <u>22</u> :460-468 (2000) | | | | | |
| LL | A98 | Chan, et al., "Purification and Characterization of Neutral Sphingomyelinase from <i>Helicobacter pylori</i> ," <i>Biochemistry</i> , <u>39</u> :4838-4845 (2000) | | | | | |
| LL | A99 | Chatterjee, "Neutral Sphingomyelinase," <i>Advances in Lipid Research</i> , <u>26</u> :25-49 (1993) | | | | | |
| LL | A100 | Chatterjee, "Neutral Sphingomyelinase: past, present, and future," <i>Chemistry and Physics of Lipids</i> , <u>102</u> :79-96 (1999) | | | | | |
| LL | A101 | Chatterjee, et al., "Molecular Cloning, Characterization, and Expression of a Novel Human Neutral Sphingomyelinase," <i>J. Biol. Chem.</i> , <u>274</u> :37407-37412 (1999) | | | | | |
| LL | A102 | Chau, et al., "Synthesis of Simple Aryl Neutral Sphingomyelinase Inhibitors," <i>Abstr. Pap. - Am. Chem. Soc.</i> , (2001) | | | | | |
| LL | A103 | Chun, "Lysophospholipid receptors: implications for neural signaling," <i>Crit. Rev. Neuro.</i> , <u>13</u> (2):151-168 (1999) | | | | | |

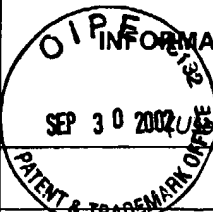
Examiner:

DATE: 4/2004

| | | | | | | | |
|---|------|---|--|--|--|--|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. <u>10/028156</u> APPL. NO. <u>04</u> | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) SEP 30 2002 PATENT & TRADEMARK OFFICE | | | | APPLICANT Roger A. Sabbadini | | FILING DATE 12/21/2001 | |
| | | | | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| LL | A104 | Chun, et al., "A Growing Family of Receptor Genes for Lysophosphatidic Acid (LPA) and other Lysophospholipids (LPs)," <i>Cell Biochem. & Biophys.</i> , <u>30</u> (2):213-242 (1999) | | | | | |
| LL | A105 | Cordis, et al., "HPTLC analysis of sphingomyelin, ceramide and sphingosine in ischemic/reperfused rat heart," <i>J. Pharm. And Biomed. Analysis</i> , <u>16</u> :1189-1193 (1998) | | | | | |
| LL | A106 | Cuvillier, et al., "Suppression of ceramide-mediated programmed cell death by sphingosine-1-phosphate," <i>Nature</i> , <u>381</u> :800-803 (1996) | | | | | |
| LL | A107 | Dickson, et al., "Serine Palmitoyltransferase," <i>Methods in Enzymology</i> , <u>311</u> :1-9 (1999) | | | | | |
| LL | A108 | Edsall, et al., <i>Biochem.</i> , "N,N-Dimethylsphingosine is a potent competitive inhibitor of sphingosine kinase but not of protein kinase C: modulation of cellular levels of sphingosine 1-phosphate and ceramide," <u>37</u> :12892-12898 (1998) | | | | | |
| LL | A109 | Edson, et al., "The Aminoglycosides," <i>Mayo Clin. Proc.</i> , <u>74</u> :519-528 (1999) | | | | | |
| LL | A110 | Eichler, et al., "Peptide, peptidomimetic, and organic synthetic combinatorial libraries," <i>Med. Res. Rev.</i> , <u>15</u> :481-496 (1995) | | | | | |
| LL | A111 | Fensome, et al., "A Neutral Magnesium-dependent Sphingomyelinase Isoform Associated with Intracellular Membranes and Reversibly Inhibited by Reactive Oxygen Species," <i>J. Biol. Chem.</i> , <u>275</u> :1128-1136 (2000) | | | | | |
| LL | A112 | Fujii, et al., "Mg ²⁺ binding and catalytic function of sphingomyelinase from <i>Bacillus cereus</i> ," <i>J. Biochem (Tokyo)</i> , <u>124</u> :1178-1187 (1998) | | | | | |
| LL | A113 | Fukushima, et al., "A single receptor encoded by <i>vzg-1/lpa/edg-2</i> couples to G proteins and mediates multiple cellular responses to lysophosphatidic acid," <i>Proc. Natl. Acad. Sci.</i> , <u>95</u> :6151-6156 (1998) | | | | | |
| LL | A114 | Furneisen, et al., "Enzymological properties of the LPP1-encoded lipid phosphatase from <i>Saccharomyces cerevisiae</i> " <i>Biochim. Biophys. Acta.</i> , <u>1484</u> :71-82 (2000) | | | | | |
| LL | A115 | Garcia-Ruiz, "Human placenta sphingomyelinase, an exogenous acidic pH-optimum sphingomyelinase, induces oxidative stress, glutathione depletion, and apoptosis in rat hepatocytes," <i>Hepatology</i> , <u>32</u> :56-65 (2000) | | | | | |
| LL | A116 | Gates, et al., "Serum amyloid p component: its role in platelet activation stimulated by sphingomyelinase d purified from the venom of the brown recluse spider (<i>Loxosceles reclusa</i>)," <i>Toxicon</i> , <u>28</u> :1303-1315 (1990) | | | | | |
| LL | A117 | Gatt, et al., "Niemann Pick disease: presence of the magnesium-dependent sphingomyelinase in brain of the infantile form of the disease," <i>J. Neurochem.</i> , <u>31</u> (2):547-550 (1978) | | | | | |
| LL | A118 | Gavrilenko, et al., "Nucleotide sequence of phospholipase C and sphingomyelinase genes from <i>Bacillus cereus</i> BKM-B164," <i>Bioorg. Khim.</i> , <u>19</u> :133-138 (1993) | | | | | |

TECH CENTER 1600/

RECEIVED
OCT 03 2002Examiner: Louisa LeeDATE: 4/2004

| | | | | | | | |
|---|------|--|--|---------------------------------|--|--|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. <u>10/028156</u> APPL_NO04 | |
|  | | | | APPLICANT Roger A. Sabbadini | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| LL | A119 | Geeraert, et al., "Conversion of dihydroceramide into ceramide: involvement of a desaturase," <i>Biochem. J.</i> , <u>327</u> :125-132 (1997) | | | | | |
| LL | A120 | Ghosh, et al., "Effects of gentamicin on sphingomyelinase activity in cultured human renal proximal tubular cells," <i>J. Biol. Chem.</i> , <u>262</u> :12550-12556 (1987) | | | | | |
| LL | A121 | Ghosh, et al., "Identification, partial purification, and localization of a neutral sphingomyelinase in rabbit skeletal muscle: Neutral sphingomyelinase in skeletal muscle," <i>Mol. Cellular Biochem.</i> , <u>189</u> :161-168 (1998) | | | | | |
| LL | A122 | Gilmore, et al., "A <i>Bacillus cereus</i> cytolytic determinant, cereolysin AB, which comprises the phospholipase C and sphingomyelinase genes: a nucleotide sequence and genetic linkage," <i>J. Bacteriol.</i> , <u>171</u> (2):744-753 (1989) | | | | | |
| LL | A123 | Glickman, et al., "Molecular Cloning, Tissue-Specific Expression, and Chromosomal Localization of a Novel Nerve Growth Factor-Related G-Protein-Coupled Receptor, nrg-1," <i>Mol. Cel. Neurosci.</i> , <u>14</u> :141-152 (1999) | | | | | |
| LL | A124 | Goetzl, et al., "Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury, 4. 38: A Subfamily of G Protein-Coupled Cellular Receptors for Lysophospholipids and Lysosphingolipids, Introduction: The Biochemistry and Biology of Lipid Phosphoric Acids," <i>Adv. Exp. Med. Biol.</i> , <u>469</u> :259-264 (1999) | | | | | |
| LL | A125 | Gonda, et al., "The novel sphingosine 1-phosphate receptor AGR16 is coupled via pertussis toxin-sensitive and -insensitive G-proteins to multiple signalling pathways," <i>Biochem. J.</i> , <u>337</u> :67-75 (1999) | | | | | |
| LL | A126 | Gonzalez-Zorn, et al., "The smcL gene of <i>Listeria ivanovii</i> encodes a sphingomyelinase C that mediates bacterial escape from the phagocytic vacuole," <i>Mol. Microbiol.</i> , <u>33</u> (3):510-523 (1999) | | | | | |
| LL | A127 | Graler, et al., "EDG6, a Novel G-Protein-Coupled Receptor Related to Receptors for Bioactive Lysophospholipids, Is Specifically Expressed in Lymphoid Tissue," <i>Genomics</i> , <u>53</u> :164-169 (1998) | | | | | |
| LL | A128 | Gunther, "Myocardial contractility after infarction and carnitine palmitoyltransferase I inhibition in rats," <i>Eur. J. Pharma.</i> , <u>406</u> :123-126 (2000) | | | | | |
| LL | A129 | Hakogi, et al., "Stereocontrolled synthesis of a sphingomyelin methylene analogue as a sphingomyelinase inhibitor," <i>Org. Lett.</i> , <u>2</u> :2627-2629 (2000) | | | | | |
| LL | A130 | Hanada, et al., "Specificity of Inhibitors of Seine Palmitoyltransferase (SPT), a Key Enzyme in Sphingolipid Biosynthesis, in Intact Cells," <i>Biochemical Pharmacology</i> , <u>59</u> :1211-1216 (2000) | | | | | |
| LL | A131 | Hannun, et al., "Ceramide in the eukaryotic stress response," <i>Cell Biology</i> , <u>10</u> :73-80 (2000) | | | | | |
| LL | A132 | Hannun, et al., "The Sphingomyelin Cycle: A Prototypic Sphingolipid Signaling Pathway," <i>Adv. Lipid Res.</i> , <u>25</u> :27-41 (1993) | | | | | |
| LL | A133 | Intentionally Left Blank | | | | | |

TECH CENTER 1600/2800
 OCT 03 2002
 RECEIVED

Examiner: Louise Lee

DATE: 4/2004

| | | | |
|---|--|---|--|
| Form PTO-1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 078853-0302 | SERIAL NO. <u>10/028156</u> APPL_NO04 |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | APPLICANT Roger A. Sabbadini | |
| | | FILING DATE 12/21/2001 | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| LL | A134 | Hannun, et al., "Functions of Sphingolipids and Sphingolipid Breakdown Products in Cellular Regulation," <i>Science</i> , <u>243</u> :500-507 (1989) | |
| LL | A135 | He, et al., "A Fluorescence-Based High-Performance Liquid Chromatography Assay to Determine Acid Ceramidase Activity," <i>Analytical Biochemistry</i> , <u>274</u> :264-269 (1999) | |
| LL | A136 | Heringdorf, et al., "Stimulation of intracellular sphingosine-1-phosphate production by G-protein-coupled sphingosine-1-phosphate receptors," <i>Eur. J. Pharmacol.</i> , <u>414</u> :145-154 (2001) | |
| LL | A137 | Hernandez, et al., "Rapid Activation of Neutral Sphingomyelinase by Hypoxia-Reoxygenation of Cardiac Myocytes," <i>Circ. Res.</i> , <u>86</u> :198-204 (2000) | |
| LL | A138 | Intentionally Left Blank | |
| LL | A139 | Hetland, et al., "Phospholipase C from <i>Bacillus cereus</i> has sphingomyelinase activity," <i>Scand J. Clin Lab Invest</i> , <u>42</u> (1):57-61 (1982) | |
| LL | A140 | Higuchi, et al., "Acidic Sphingomyelinase-Generated Ceramide is Needed But Not Sufficient for TNF-Induced Apoptosis and Nuclear Factor- κ B Activation," <i>J. Immunol.</i> , <u>157</u> :297-304 (1996) | |
| LL | A141 | Hinkovska-Glacheva, et al., "Activation of a Plasma Membrane-Associated Neutral Sphingomyelinase and Concomitant Ceramide Accumulation During IgC-Dependent Phagocytosis in Human Polymorphonuclear Leukocytes," <i>Blood</i> , <u>91</u> :4761-4769 (1998) | |
| LL | A142 | Hise, et al., "Fatty Acyl Chain Composition in the Determination of Renal Membrane Order," <i>J. Clin. Invest.</i> , <u>77</u> (3):768-773 (1986) | |
| LL | A143 | Hla, et al., "An Abundant Transcript Induced in Differentiating Human Endothelial Cells Encodes a Polypeptide with Structural Similarities to G-Protein-coupled Receptors," <i>J. Biol. Chem.</i> , <u>265</u> (16):9308-9313 (1990) | |
| LL | A144 | Hofmann, et al., "Cloning and characterization of the mammalian brain-specific, Mg ²⁺ -dependent neutral sphingomyelinase," <i>PNAS</i> , <u>97</u> :5895-5900 (2000) | |
| LL | A145 | Hofstadler, et al., "Multiplexed Screening of Neutral Mass-Tagged RNA Targets against Ligand Libraries with Electrospray Ionization FTICR MS: a Paradigm for High-Throughput Affinity Screening," <i>Anal Chem.</i> , <u>71</u> :3436-3440 (1999) | |
| LL | A146 | Holopainen, et al., "Sphingomyelinase Activity Associated with Human Plasma Low Density Lipoprotein," <i>J. Biol. Chem.</i> , <u>275</u> :16484-16489 (2000) | |
| LL | A147 | Horn, et al., "Sphingofungins E and F: Novel Serineoamitoyl Transferase Inhibitors from <i>Paecilomyces variotti</i> ," <i>J. Antibiot. (Tokyo)</i> , <u>45</u> (10):1692-1696 (1992) | |
| LL | A148 | Hoye, et al., "Synthesis (and Alternative Proof of Configuration) of the Scyphostatin C(1')-C(20') Trienoyl Fragment," <i>Organic Letters</i> , <u>2</u> :1481-1483 (2000) | |

TECH CENTER 1600/2900

RECEIVED

OCT 03 2002

 EXAMINER: Louisa Lee

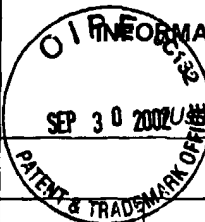
023.215045

DATE: 4/2004

| | | | |
|---|--|--|--|
| Form PTO-1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 078853-0302 | SERIAL NO. <u>10/028156</u> APPL NO04 |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) SEP 30 2002 PATENT & TRADEMARK OFFICE | | APPLICANT Roger A. Sabbadini | |
| | | FILING DATE 12/21/2001 | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| LL | A149 | Hudson, "Recombinant antibody fragments," <i>Curr. Op. Biotechnol.</i> , <u>9</u> (4):395-402 (1999) | |
| LL | A150 | Humpf, et al., "Acylation of naturally occurring and synthetic 1-deoxysphinganine by ceramide synthase. Formation of N-palmitoyl-aminopentol produces a toxic metabolite of hydrolyzed fumonisins, AP1, and a new category of ceramide synthase inhibitor," <i>J. Biol. Chem.</i> , <u>273</u> :19060-19064 (1998) | |
| LL | A151 | Hunnan, "Functions of Ceramide in Coordinating Cellular Responses to Stress," <i>Science</i> , <u>274</u> :1855-1859 (1996) | |
| LL | A152 | Igarashi, "Functional Roles of Sphingosine, Sphingosine 1-Phosphate, and Methylsphingosines: In Regard to Membrane Sphingolipid Signaling Pathways. 1. Sphingosine-1-Phosphate as an Intercellular Signaling Molecule," <i>J. Biochem.</i> , <u>122</u> :1080-1087 (1997) | |
| LL | A153 | Igarashi, "Sphingosine-1-Phosphate as an Intercellular Signaling Molecule," <i>F. Hutchinson Cancer Research Center, University of Washington, Seattle</i> | |
| LL | A154 | Ikezawa, et al., "Studies on Sphingomyelinase of <i>Bacillus Cereus</i> . I. Purification and Properties," <i>Biochim. Biophys Acta</i> , <u>528</u> (2):247-256 (1978) | |
| LL | A155 | Im, et al., "Molecular Cloning and Characterization of a Lysophosphatidic Acid Receptor, Edg-7, Expressed in Prostate," <i>Molecular Pharmacology</i> , <u>57</u> :753-759 (2000) | |
| LL | A156 | Im, et al., "Characterization of a novel sphingosine 1-phosphate receptor, Edg-8," <i>J. Biol. Chem.</i> , <u>275</u> :14281-14286 (2000) | |
| LL | A157 | Izuhara, et al., "Studies toward the Total Synthesis of Scyphostatin: First Entry to the Highly Functionalized Cyclohexenone Segment," <i>Organic Letters</i> , <u>3</u> :1653-1656 (2001) | |
| LL | A158 | Jimbo, et al., "Development of a New Inhibitor of Glucosylceramide Synthase," <i>J. Biochem.</i> , <u>127</u> :485-491 (2000) | |
| LL | A159 | Johansen, et al., " <i>Bacillus cereus</i> strain SE-1: nucleotide sequence of the sphingomyelinase C gene," <i>Nucleic Acids Research</i> , <u>16</u> :10370 (1998) | |
| LL | A160 | Jonghe, et al., "Structure-Activity Relationship of Short-Chain Sphingoid Bases as Inhibitors of Sphingosine Kinase," <i>Bioorganic & Medicinal Chemistry Letters</i> , <u>9</u> :3175-3180 (1999) | |
| LL | A161 | Kajstura, et al., "Apoptotic and Necrotic Myocyte Cell Deaths Are Independent Contributing Variables of Infarct Size in Rats," <i>Lab. Invest.</i> , <u>74</u> :86-107 (1996) | |
| LL | A162 | Kanter, et al., "The Metabolism of Sphingomyelin. I. Purification and properties of a sphingomyelin-cleaving enzyme from rat liver tissue," <i>J. Biol. Chem.</i> , <u>241</u> :1081 (1966) | |
| LL | A163 | Katircioglu, et al., "Myocardial preservation in acute coronary artery occlusion with coronary sinus retroperfusion and carnitine," <i>J. Cardiovasc. Surg.</i> , <u>41</u> :45-50 (1999) | |

TECH CENTER 1600/2900


RECEIVED
OCT 9 3 2002EXAMINER: Louise LeeDATE: 4/2004

| | | | |
|--|--|---------------------------------|--|
| Form PTO-1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 078853-0302 | SERIAL NO. <u>10/028156</u> APPL_NO04 |
| INFORMATION DISCLOSURE CITATION  several sheets if necessary) | | APPLICANT Roger A. Sabbadini | |
| | | FILING DATE 12/21/2001 | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 |

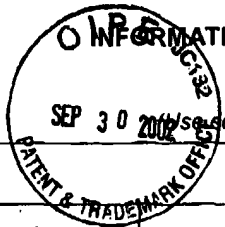

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|------|---|
| CC | A164 | Kay, et al., "Identification of enzyme inhibitors from phage-displayed combinatorial peptide libraries," <i>Comb. Chem. High Throughput Screen</i> , 4:535-543 (2001) |
| CC | A165 | Kester, "Sphingolipid Metabolites and the Cellular Phenotype," <i>Trends in Glycoscience and Glycotechnology</i> , 9:447-460 (1997) |
| CC | A166 | Kihara, et al., "Direct Measurement of Changes in Intercellular Calcium Transients During Hypoxia, Ischemia, and Reperfusion of the Intact Mammalian Heart," <i>Circ. Res.</i> , 65(4):1029-1044 (1989) |
| CC | A167 | Kimura, et al., "Two Novel <i>Xenopus</i> Homologs of Mammalian LPEDG-2 Function as Lysophosphatidic Acid Receptor <i>Xenopus</i> Oocytes and Mammalian Cells," JBC Papers in Press Published on-line 02/05/2001 as Manuscript MO11588200 |
| CC | A168 | Kita, et al., "Reverse hydrolysis reaction of a recombinant alkaline ceramidase of <i>Pseudomonas aeruginosa</i> ," <i>Biochimica et Biophysica Acta</i> , 1485:111-120 (2000) |
| CC | A169 | Kohama, et al., "Molecular cloning and functional characterization of murine sphingosine kinase," <i>J. Biol. Chem.</i> , 273:23722-23728 (1998) |
| CC | A170 | Kolesnick, et al., "Characterization of a Ceramide Kinase Activity from Human Leukemia (HL-60) Cells: Separation From Diacylglycerol Kinase Activity," <i>J. Biol. Chem.</i> , 265:18803-18808 (1990) |
| CC | A171 | Krown, et al., "Tumor necrosis factor alpha-induced apoptosis in cardiac myocytes. Involvement of the sphingolipid signaling cascade in cardiac cell death," <i>J. Clin. Invest.</i> , 98:2854-2865 (1996) |
| CC | A172 | Kubota, et al., "Accumulation of ceramide in ischemic human brain of an acute case of cerebral occlusion," <i>Japan J. Exp. Med.</i> , 59:59-64 (1989) |
| CC | A173 | Kubota, et al., "Sphingomyelin changes in rat cerebral cortex during focal ischemia," <i>Neuro. Res.</i> , 18:337-341 (1996) |
| CC | A174 | Lanterman, et al., "Characterization of sphingosine kinase (SK) activity in <i>Saccharomyces cerevisiae</i> and isolation of SK-deficient mutants," <i>Biochem. J.</i> , 332:525-531 (1998) |
| CC | A175 | Lee, et al., "Improved Inhibitors of Glucosylceramide Synthase," <i>J. Biol. Chem.</i> , 274:14662-14669 (1999) |
| CC | A176 | Lee, et al., "Sphingosine 1-Phosphate Induces Angiogenesis: its Angiogenic Action and Signaling Mechanism in Human Umbilical Endothelial Cells," <i>Biochem Biophys Res. Commun.</i> , 264:743-750 (1999) |
| CC | A177 | Lee, et al., "Lysophosphatidic acid and sphingosine 1-phosphate stimulate endothelial cell wound healing," <i>Am. J. Physiol. Cell Physiol.</i> , 278:C612-C618 (2000) |
| CC | A178 | Intentionally Left Blank |

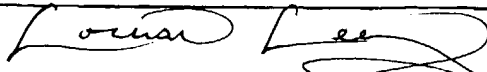
TECH CENTER 1600/2900

RECEIVED
OCT 03 2002EXAMINER: 


DATE: 4/2004

| | | | | | | | |
|---|------|---|--|---------------------------------|--|--|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. <u>10/028156</u> APPL_NO04 | |
|  | | | | APPLICANT Roger A. Sabbadini | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| CC | A179 | Lee, et al., "Cell-cycle-dependent changes in ceramide levels preceding retinoblastoma protein dephosphorylation in G2/M," <i>Biochem. J.</i> , <u>334</u> :457-461 (1998) | | | | | |
| CC | A180 | Lee, et al., "Effect of Ischemia on Calcium-Dependent Fluorescence Transients in Rabbit Hearts Containing Indo 1. Correlation with Monophasic Action Potentials and Contraction," <i>Circ.</i> , <u>78</u> (4):1047-1059 (1988) | | | | | |
| CC | A181 | Levade, et al., "Sphingomyelinases and Niemann-Pick disease," <i>J. Clin. Chem. Biochem.</i> , <u>24</u> :205-220 (1986) | | | | | |
| CC | A182 | Li, et al., "The Human Acid Ceramidase Genes (ASAH): Structure, Chromosomal Location, Mutation Analysis, and Expression," <i>Genomics</i> , <u>62</u> :223-231 (1999) | | | | | |
| CC | A183 | Lilom, et al., "Sphingosylphosphocholine is a naturally occurring lipid mediator in blood plasma: a possible role in regulating cardiac function via sphingolipid receptors," <i>Biochem. J.</i> , <u>355</u> :189-197 (2001) | | | | | |
| CC | A184 | Lin, et al., "Identification of neutral and acidic sphingomyelinases in <i>Helicobacter pylori</i> ," <i>FEBS Lett.</i> , <u>423</u> :249-253 (1998) | | | | | |
|  | A185 | Intentionally Left Blank | | | | | |
| CC | A186 | Linn, et al., "Regulation of de novo sphingolipid biosynthesis and the toxic consequences of its disruption," <i>Biochemical Society</i> , pp. 831-835 (2001) | | | | | |
| CC | A187 | Lister, et al., "Interaction of sphingomyelinase with sphingomyelin analogs modified at the C-1 and C-3 positions of the sphingosine backbone," <i>Biochimica et Biophysica Acta</i> , <u>1256</u> :25-30 (1995) | | | | | |
| CC | A188 | Little, et al., "Surface display of antibodies," <i>Biotechn. Adv.</i> , <u>12</u> :539-555 (1994) | | | | | |
| CC | A189 | Liu, et al., "Molecular Cloning and Functional Characterization of a Novel Mammalian Sphingosine Kinase Type 2 Isoform," <i>J. Biol. Chem.</i> , <u>275</u> :19513-19520 (2000) | | | | | |
| CC | A190 | Liu, et al., "Purification and Characterization of a Membrane Bound Neutral pH Optimum Magnesium-dependent and Phosphatidylserine-stimulated Sphingomyelinase from Rat Brain," <i>J. Biol. Chem.</i> , <u>273</u> :34472-34479 (1998) | | | | | |
| CC | A191 | Liu, et al., "Sphingomyelinase Assay Using Radiolabeled Substrate," <i>Methods in Enzymology</i> , <u>311</u> :164-167 (2000) | | | | | |
| CC | A192 | Liu, et al., "Advances in the signal transduction of ceramide and related sphingolipids," <i>Crit. Rev. Clin. Lab. Sci.</i> , <u>36</u> :511-573 (1999) | | | | | |
| CC | A193 | Liu, et al., "Inhibition of the neutral magnesium-dependent sphingomyelinase by glutathione," <i>J. Biol. Chem.</i> , <u>272</u> :16281-16287 (1997) | | | | | |

TECH CENTER 1600/2900

RECEIVED
OCT 10 3 5002EXAMINER: 

DATE: 4/2004

| | | | | | | | |
|---|------|---|--|---------------------------------|--|--|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. <u>10/028156</u> APPL NO04 | |
|  | | | | APPLICANT Roger A. Sabbadini | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| LL | A194 | Liu, et al., "Glutathione regulation of neutral sphingomyelinase in tumor necrosis factor-alpha-induced cell death," <i>J. Biol. Chem.</i> , <u>273</u> :11313-11320 (1998) | | | | | |
| LL | A195 | Lochhead, et al., "Fluorinated anesthetic exposure "activates" the renal cortical sphingomyelinase cascade," <i>Kidney Int.</i> , <u>54</u> :373-381 (1998) | | | | | |
| LL | A196 | Luberto, et al., "Sphingolipid Metabolism in the Regulation of Bioactive Molecules," <i>Lipids</i> , <u>34</u> :S5-S11 (1999) | | | | | |
| LL | A197 | Luberto, et al., "Sphingomyelin synthase, a potential regulator of intracellular levels of ceramide and diacylglycerol during SV40 transformation. Does sphingomyelin synthase account for the putative phosphatidylcholine-specific phospholipase C?" <i>PubMed, J. Biol. Chem.</i> , <u>273</u> :14550-14559 (1998) | | | | | |
| LL | A198 | Lynch, et al., "Life on the edge," <i>Trends Pharmacol. Sci.</i> , <u>20</u> :473-475 (1999) | | | | | |
| LL | A199 | Magnelli, et al., "BCL-2 Overexpression Abolishes Early Calcium Waving Preceding Apoptosis in NIH-3T3 Murine," <i>Bioch. Biophys. Res. Comm.</i> , <u>204</u> :84-90 (1994) | | | | | |
| LL | A200 | Mandala, et al., "Isolation and Characterization of Novel Inhibitors of Sphingolipid Synthesis: Australifungin, Viridifungins, Rustmicin, and Khafrefungin," <i>Methods in Enzymology</i> , <u>311</u> :335-348 (1999) | | | | | |
| LL | A201 | Mandala, et al., "Molecular cloning and characterization of a lipid phosphohydrolase that degrades sphingosine-1-phosphate and induces cell death," <i>PNAS</i> , <u>97</u> :7859-7864 (2000) | | | | | |
| LL | A202 | Mandala, et al., "Sphingosine-1-Phosphate Phosphatases," <i>Prostaglandins & Other Lipid Mediators</i> , <u>64</u> :143-156 (2001) | | | | | |
| LL | A203 | Mandala, et al., "Inhibition of Serine Palmitoyltransferase Activity by Lipoxamycin," <i>J. Antibiot. (Tokyo)</i> , <u>47</u> :376-379 (1994) | | | | | |
| LL | A204 | Mandala, et al., "Viridifungins, Novel Inhibitors of Sphingolipid Synthesis," <i>J. Antibiot. (Tokyo)</i> , <u>50</u> :339-343 (1997) | | | | | |
| LL | A205 | Mandala, et al., "The Discovery of Australifungin, a novel Inhibitor of Sphinganine N-Acyltransferase from <i>Sporormiella australis</i> . Producing Organism, Fermentation, Isolation, and Biological Activity," <i>J. Antibiot.</i> , <u>48</u> :349-356 (1995) | | | | | |
| LL | A206 | Mandala, et al., "Khafrefungin, a novel inhibitor of sphingolipid synthesis," <i>J. Biol. Chem.</i> , <u>272</u> :32709-32714 (1997) | | | | | |
| LL | A207 | Mandala, et al., "Sphingoid base 1-phosphate phosphatase: a key regulator of sphingolipid metabolism and stress response," <i>Proc. Nat. Acad. Sci.</i> , <u>95</u> :150-155 (1998) | | | | | |
| LL | A208 | Mao, et al., "Cloning and Characterization of a Novel Human Alkaline Ceramidase: A Mammalian Enzyme That Hydrolyzes Phytoceramide," <i>J. Biol. Chem.</i> , <u>276</u> :26577-26588 (2001) | | | | | |

EXAMINER: Louisa Leon DATE: 4/2004

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. 10/028156
(MODIFIED) PATENT AND TRADEMARK OFFICE 078853-0302 APPL NO04

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Roger A. Sabbadini

FILING DATE

12/21/2001

GROUP ART UNIT

USPTO_ART_UNIT04

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

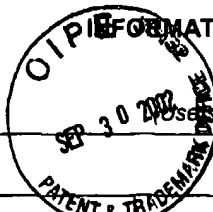
| | | |
|----|------|--|
| CC | A209 | Mao, et al., "Cloning and Characterization of a <i>Saccharomyces cerevisiae</i> Alkaline Ceramidase with Specificity for Dihydroceramide," <i>J. Biol. Chem.</i> , <u>275</u> :31369-31378 (2000) |
| CC | A210 | Mao, et al., "Cloning of an Alkaline Ceramidase from <i>Saccharomyces cerevisiae</i> : An Enzyme with Reverse (CoA-Independent) Ceramide Synthase Activity," <i>The Journal of Biological Chemistry</i> , <u>275</u> :6876-6884 (2000) |
| CC | A211 | Mao, et al., "Molecular cloning and characterization of SCA _{MPER} , a Sphingolipid Ca ²⁺ release-mediating protein from endoplasmic reticulum," <i>Proc. Natl. Acad. Sci. USA</i> , <u>93</u> :1993-1996 (1996) |
| CC | A212 | Marks, et al., "Methods for Studying Glucosylceramide Synthase," <i>Methods in Enzymology</i> , <u>311</u> :50-59 (1999) |
| CC | A213 | Intentionally Left Blank |
| CC | A214 | Martin, et al., "Neutral Magnesium-Dependant Sphingomyelinase from Liver Plasma Membrane: Purification and Inhibition by Ubiquinol," <i>J. Bioenerg. Biomembr.</i> , <u>33</u> (2):143-153 (2001) |
| CC | A215 | Meacci, et al., "Receptor-mediated activation of phospholipase D by sphingosine 1-phosphate in skeletal muscle C2C12 cells," <i>FEBS Letters</i> , <u>457</u> :184-188 (1999) |
| CC | A216 | Meldrum, "Tumor necrosis factor in the heart," <i>Am. J. Physiol.</i> , <u>274</u> :R577-R595 (1998) |
| CC | A217 | Melendez, et al., "Human sphingosine kinase: molecular cloning, functional characterization and tissue distribution," <i>Gene</i> , <u>251</u> :19-26 (2000) |
| CC | A218 | Meroni, et al., "Effect of N-Acetylsphingosine (C2) and the Ceramidase Inhibitor (1S,2R)-D-erythro-2-(N-myristoylamino)-1 phenyl-1-propanol on the Regulation of Sertoli Cell Function," <i>Journal of Andrology</i> , <u>20</u> :619-625 (1999) |
| CC | A219 | Merrill, et al., "Activities of serine palmitoyltransferase (3-ketosphinganine synthase) in microsomes from different rat tissues," <i>J. Lipid Res.</i> , <u>26</u> (5):617-622 (1985) |
| CC | A220 | Michel, et al., "Characterization of Ceramide Synthesis: A Dihydroceramide Desaturase Introduces the 4,5-TRANS-Double Bond of Sphingosine at the Level of Dihydroceramide," <u>272</u> :22432-22437 (1997) |
| CC | A221 | Mingeot-Leclercq, et al., "Aminoglycosides: activity and resistance," <i>Antimicrobial Agents and Chemotherapy</i> , <u>43</u> :727-737 (1999) |
| CC | A222 | Mingeot-Leclercq, et al., "Aminoglycosides: nephrotoxicity," <i>Antimicrobial Agents and Chemotherapy</i> , <u>43</u> :1003-1012 (1999) |
| CC | A223 | Mitsutake, et al., "Purification, Characterization, Molecular Cloning, and Subcellular Distribution of Neutral Ceramidase of Rat Kidney," <i>J. Biol. Chem.</i> , <u>276</u> :26249-26259 (2001) |

TECH CENTER 1600/2900

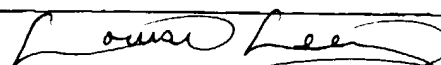
RECEIVED

EXAMINER: *Louisa Lee*

DATE: 4/2004

| | | | | | | | |
|---|------|---|--|---------------------------------|--|---|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. 10/028156 APPL_NO04 | |
|  INFORMATION DISCLOSURE CITATION Use several sheets if necessary) | | | | APPLICANT Roger A. Sabbadini | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT 1654 USPTO_ART_UNIT04 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| LL | A224 | Mohan, et al., "Evidence that Neutral Sphingomyelinase of Cultured Murine Neuroblastoma Cells is Oriented Externally on the Plasma Membrane," <i>Biochem Biophys Acta</i> , <u>777</u> (2):339-342 (1984) | | | | | |
| LL | A225 | Mohler, et al., "Soluble Tumor Necrosis Factor (TNF) Receptors Are Effective Therapeutic Agents in Lethal Endotoxemia and Function Simultaneously as Both TNF Carriers and TNF Antagonists," <i>J. Immunol.</i> , <u>151</u> (3):1548-1561 (1993) | | | | | |
| LL | A226 | Nakajima, et al., " <i>Biophysical J.</i> , <u>78</u> :319 A (2000) | | | | | |
| LL | A227 | Napoli, et al., "Ischaemic preconditioning of rat myocardium: effects on postischaemic coronary endothelium hyperaemia and microcirculatory damage," <i>J. Clin. Bas. Cardiol.</i> , <u>1</u> :37-42 (1998) | | | | | |
| LL | A228 | Nikolova-Karakashian, et al., "Ceramidases," <i>Methods in Enzymology</i> , <u>311</u> :194-201 (1999) | | | | | |
| LL | A229 | Ohta, et al., "Induction of apoptosis by sphingosine in human leukemic HL-60 cells: a possible endogenous modulator of apoptotic DNA fragmentation occurring during phorbol ester-induced differentiation," <i>Cancer Res.</i> , <u>55</u> :691-697 (1995) | | | | | |
| LL | A230 | Ohta, et al., "A possible role of sphingosine in induction of apoptosis by tumor necrosis factor- α in human neutrophils," <i>FEBS Letters</i> , <u>355</u> :267-270 (1994) | | | | | |
| LL | A231 | Okamoto, et al., "EDG1 Is a Functional Sphingosine-1-Phosphate Receptor That Is Linked via a $G_{i/o}$ to Multiple Signaling Pathways, Including Phospholipase C Activation, Ca^{2+} Mobilization, Ras-Mitogen-activated Protein Kinase Activation, and Adenylate Cyclase Inhibition," <i>J. Biol. Chem.</i> , <u>273</u> :27104-27110 (1998) | | | | | |
| LL | A232 | Okamoto, et al., "EDG3 Is a Functional Receptor Specific for Sphingosine 1-Phosphate and Sphingosylphosphorylcholine with Signaling Characteristics Distinct from EDG1 and AGR16," <i>Biochem. Biophys. Res. Commun.</i> , <u>260</u> :203-208 (1999) | | | | | |
| LL | A233 | Okazaki, et al., "Characteristics and partial purification of a novel cytosolic magnesium-independent, neutral sphingomyelinase activated in the early signal transduction of $1\alpha,25$ -dihydroxyvitamin D3-induced HL-60 cell differentiation," <i>J. Biol. Chem.</i> , <u>269</u> (6):4070-4077 (1994) | | | | | |
| LL | A234 | Okino, et al., "Molecular Cloning, Sequencing, and Expression of the Gene Encoding Alkaline Ceramidase from <i>Pseudomonas aeruginosa</i> : Cloning of A Ceramidase Homologue from mycobacterium Tuberculosis," <u>274</u> :36616-36622 (1999) | | | | | |
| LL | A235 | Olivera, et al., "Assaying Sphingosine Kinase Activity," <i>Methods in Enzymology</i> , <u>311</u> :215-223 (1999) | | | | | |
| LL | A236 | Olivera, et al., "Sphingosine-1-phosphate as second messenger in cell proliferation induced by PDGF and FCS mitogens," <i>Nature</i> , <u>365</u> :557-560 (1993) | | | | | |
| LL | A237 | Oral, et al., "Sphingosine mediates the immediate negative inotropic effects of tumor necrosis factor-alpha in the adult mammalian cardiac myocyte," <i>J. Biol. Chem.</i> , <u>272</u> :4836-4842 (1997) | | | | | |
| LL | A238 | Oshefski, et al., "Glucosylceramide Synthase Inhibition Enhances Vincristine-Induced Cytotoxicity," <i>Int. J. Cancer</i> , <u>93</u> :131-138 (2001) | | | | | |

TECH CENTER 1600/2900

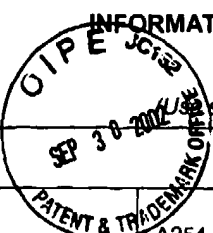
RECEIVED
OCT 03 2002EXAMINER: 

DATE: 4/2004

| | | | |
|---|--|---|---|
| Form PTO-1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 078853-0302 | SERIAL NO. 10/028156 APPL_NO04 |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | APPLICANT Roger A. Sabbadini | |
| | | FILING DATE 12/21/2001 | GROUP ART UNIT 1654 USPTO_ART_UNIT04 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| LL | A239 | Parrill, et al., "Identification of Edg1 Receptor Residues That Recognize Sphingozine 1-Phosphate," <i>J. Biol. Chem.</i> , <u>275</u> :39379-39384 (2000) | |
| LL | A240 | Pitson, et al., "Human sphingosine kinase: purification, molecular cloning and characterization of the native and recombinant enzymes," <i>Biochem J.</i> , <u>350</u> :429-441 (2000) | |
| LL | A241 | Pitson, et al., "Expression of a catalytically inactive sphingosine kinase mutant blocks agonist-induced sphingosine kinase activation. A dominant-negative sphingosine kinase," <i>J. Biol. Chem.</i> , <u>275</u> :33945-33950 (2000) | |
| LL | A242 | Raag, et al., "Single-chain Fvs.," <i>FASEB J.</i> , <u>9</u> :73-80 (1995) | |
| LL | A243 | Rani, et al., "Cell Cycle Arrest Induced by an Inhibitor of Glucosylceramide Synthase," <i>J. Biol. Chem.</i> , <u>270</u> :2859-2867 (1995) | |
| LL | A244 | Riley, et al., "Fermentation, Partial Purification, and Use of Serine Palmitoyltransferase Inhibitors from <i>Isaria (=Cordyceps) sinclairii</i> ," <i>Methods in Enzymology</i> , <u>311</u> :348-361 (1999) | |
| LL | A245 | Romiti, et al., "Characterization of sphingomyelinase activity released by thrombin-stimulated platelets," <i>Molecular and Cellular Biochemistry</i> , <u>205</u> :75-81 (2000) | |
| LL | A246 | Runcie, et al., "A Short and Efficient Route to Novel Scyphostatin Analogues," <i>Organic Letters</i> , <u>3</u> :3237-3239 (2001) | |
| LL | A247 | Sabbadini, et al., "Sphingosine is endogenous to cardiac and skeletal muscle," <i>Biochem. Biophys. Res. Comm.</i> , <u>193</u> :752-758 (1993) | |
| LL | A248 | Saint-Joanis, et al., "Gene cloning shows the alpha-toxin of <i>Clostridium perfringens</i> to contain both sphingomyelinase and lecithinase activities," <i>Mol. Gen. Genet.</i> , <u>219</u> (3):453-60 (1989) | |
| LL | A249 | Saito, et al., "Absolute Configuration of Scyphostatin," <i>Organic Letters</i> , <u>2</u> :505-506 (2000) | |
| LL | A250 | Sakai, et al., "A device for recording left ventricular contraction and electrocardiogram in nonworking isolated perfused rat heart," <i>Jpn J. Pharmacol.</i> , <u>28</u> :223-229 (1978) | |
| LL | A251 | Sato, "A new role of lipid receptors in vascular and cardiac morphogenesis," <i>The Journal of Clinical Investigation</i> , <u>6</u> :939-940 (2000) | |
| LL | A252 | Sawai, et al., "Function of the Cloned Putative Neutral Sphingomyelinase as Lyso-platelet Activating Factor-Phospholipase C," <i>J. Biol. Chem.</i> , <u>274</u> (53):38131-38139 (1999) | |
| LL | A253 | Sawai, et al., "Identification of ISC1 (YER019w) as Inositol Phosphosphingolipid Phospholipase C in <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> , <u>275</u> :39793-39798 (2000) | |

EXAMINER: *Louise Lee*

DATE: 4/2004

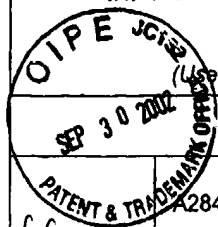
| | | | |
|---|--|---|--|
| Form PTO-1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 078853-0302 | SERIAL NO. <u>10/028156</u> APPL_NO04 |
| INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary) | | APPLICANT Roger A. Sabbadini | |
| | | FILING DATE 12/21/2001 | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 |
| | | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | |
| CC | A254 | Schissel, et al., "Zn2+-stimulated sphingomyelinase is secreted by many cell types and is a product of the acid sphingomyelinase gene," <i>J. Biol. Chem.</i> , <u>271</u> :18431-18436 (1996) | |
| CC | A255 | Sergeyev, et al., "Lipid Spectrum of the Myocardium of White Rats Exposed to Hypoxic Hypoxia," <i>Kosm. Biol. Aviakosm. Med.</i> , <u>15</u> :71-74 (1981) | |
| CC | A256 | Shayman, et al., "Glucosylceramide Synthase: Assay and Properties," <i>Methods in Enzymology</i> , <u>311</u> :42-49 (1999) | |
| CC | A257 | Shayman, et al., "Inhibitors of Glucosylceramide Synthase," <i>Methods in Enzymology</i> , <u>311</u> :373-387 (1999) | |
| CC | A258 | Shinghal, et al., "Ceramide 1-Phosphate Phosphatase Activity in Brain," <i>Journal of Neurochemistry</i> , <u>61</u> :2279-2285 (1993) | |
| CC | A259 | Siehler, et al., "Sphingosine 1-Phosphate Activates Nuclear Factor- κ B through Edg Receptors: Activation Through Edg-3 and Edg-5, but not Edg-1, in Human Embryonic Kidney 293 Cells," JBC Papers in Press Published 10/22/2001 in Manuscript MO1107220 | |
| CC | A260 | Siess, et al., "Lysophosphatidic Acid and Sphingosine 1-Phosphate: Two Lipid Villains Provoking Cardiovascular Diseases?" <i>IUBMB Life</i> , <u>49</u> :161-171 (2000) | |
| CC | A261 | Smith, et al., "Hypoxia, calcium fluxes, and inotropic state: Studies in cultured heart cells," <i>Amer. Heart J.</i> , <u>103</u> (4):716-723 (1982) | |
| CC | A262 | Smith, et al., "Purified Fumonisin B1 Decreases Cardiovascular Function but does not Alter Pulmonary Capillary Permeability in Swine," <i>Toxicological Sciences</i> , <u>56</u> :240-249 (2000) | |
| CC | A263 | Spiegel, et al., "Sphingolipid metabolism and cell growth regulation," <i>FASEB J.</i> , <u>10</u> :1388-1397 (1996) | |
| CC | A264 | Intentionally Left Blank | |
| CC | A265 | Spence, et al., "A new Zn2+-stimulated sphingomyelinase in fetal bovine serum," <i>J. Biol. Chem.</i> , <u>264</u> (10):5358-5363 (1989) | |
| CC | A266 | Spence, M.W., "Sphingomyelinases," <i>Adv. Lipid Res.</i> , <u>26</u> :3-23 (1993) | |
| CC | A267 | Spiegel, et al., "REVIEW: Roles of Sphingosine-1-phosphate in Cell Growth, Differentiation, and Death," <i>Biochemistry (Moscow)</i> , <u>63</u> :69-83 (1998) | |
| CC | A268 | Spiegel, et al., "Functions of a new family of sphingosine-1-phosphate receptors," <i>Biochim. Biophys. Acta</i> , <u>1484</u> :107-116 (2000) | |

EXAMINER: Louise LeeDATE: 4/2004

| | | | |
|---|--|---|--|
| Form PTO-1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 078853-0302 | SERIAL NO. <u>16/028156</u> APPL_NO04 |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | APPLICANT Roger A. Sabbadini | |
| | | FILING DATE 12/21/2001 | GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| LL | A269 | Sucheck, et al., "Combinatorial synthesis of aminoglycoside libraries," <i>Curr Opin Drug Discov Devel.</i> , <u>4</u> :462-470 (2001) | |
| LL | A270 | Sugita, et al., "Ceramide synthase and ceramide synthesis in human kidney and cerebellum. Description of a new alkaline ceramidase," <i>Biochim. Biophys. Acta.</i> , <u>398</u> :125-131 (1975) | |
| LL | A271 | Sugiyama, et al., "Sphingosine 1-phosphate induces sinus tachycardia and coronary vasoconstriction in the canine heart," <i>Cardiovasc. Res.</i> , <u>46</u> :119-125 (2000) | |
| LL | A272 | Sumnicht, et al., "Lipid Composition of Transverse Tubular Membranes from Normal and Dystrophic Skeletal Muscle," <i>Arch. Biochem. Biophys.</i> , <u>215</u> :628-637 (1982) | |
| LL | A273 | Szulc, et al., "A facile regioselective synthesis of sphingosine 1-phosphate and ceramide 1-phosphate," <i>Tetrahedron Letter</i> , <u>41</u> :7821-7824 (2000) | |
| LL | A274 | Tamura, et al., "Mass production of sphingomyelinase of <i>Bacillus cereus</i> by a protein-hyperproducing strain <i>Bacillus brevis</i> 47, and its purification," <i>J. Biochem. (Tokyo)</i> , <u>112</u> (4):488-491 (1992) | |
| LL | A275 | Tanaka, et al., "Structural Elucidation of Scyphostatin, an Inhibitor of Membrane-Bound Neutral Sphingomyelinase," <i>J. Am. Chem. Soc.</i> , <u>119</u> :7871-7872 (1997) | |
| LL | A276 | Tani, et al., "Purification and Characterization of a Neutral Ceramidase from Mouse Liver: A single Protein Catalyzes the Reversible Reaction in Which Ceramide is Both Hydrolyzed and Synthesized," <i>J. Biol. Chem.</i> , <u>275</u> :3462-3468 (2000) | |
| LL | A277 | Tazabekova, et al., <i>Bioorg. Khim.</i> , <u>13</u> :648-653 (1987) | |
| LL | A278 | Tomita, et al., "Secondary structure of sphingomyelinase from <i>Bacillus cereus</i> ," <i>J. Biochem. (Tokyo)</i> , <u>108</u> (5):811-815 (1990) | |
| LL | A279 | Tomiuk, et al., "Cloned mammalian neutral sphingomyelinase: Functions in sphingolipid signaling?" <i>Proc. Natl. Acad. Sci. (USA)</i> , <u>95</u> :3638-3643 | |
| LL | A280 | Torley, et al., "A turbidometric assay for phospholipase C and sphingomyelinase," <i>Anal Biochem.</i> , <u>222</u> :461-464 (1994) | |
| LL | A281 | Tosaka, et al., "Sphingosine 1-phosphate contracts canine basilar arteries in vitro and in vivo: possible role in pathogenesis of cerebral vasospasm," <i>Stroke</i> , <u>32</u> :2913-2919 (2001) | |
| LL | A282 | Triola, et al., "Synthesis of a Cyclopropene Analogue of Ceramide, a Potent Inhibitor of Dihydroceramide Desaturase," <i>Angew. Chem. Int. Ed.</i> , <u>40</u> :1960-1962 (2001) | |
| LL | A283 | Tsunoda, et al., "Early Fumonisin B1 Toxicity in Relation to Disrupted Sphingolipid Metabolism in Male BALB/c Mice," <i>J. Biochem. Mol. Toxicol.</i> , <u>12</u> :281-289 (1998) | |

EXAMINER: Louise LeeDATE: 4/2004

| | | | |
|---|--|--|---|
| Form PTO-1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 078853-0302 | SERIAL NO. 10/028156 APPL_NO04 |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | APPLICANT Roger A. Sabbadini | |
| | | FILING DATE 12/21/2001 | GROUP ART UNIT 1654 USPTO_ART_UNIT04 |
| | | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | |
| LL | A284 | Uchida, et al., "Alutenusin, a Specific Neutral Sphingomyelinase Inhibitor, Produced by Penicillium sp. FO-7436," <i>J. Antibiotics</i> , <u>52</u> (6):572-574 (1999) | |
| LL | A285 | Usta, et al., "Structural Requirements of Ceramide and Sphingosine Based Inhibitors of Mitochondrial Ceramidase," <i>Biochemistry</i> , <u>40</u> :9657-9668 (2000) | |
| LL | A286 | Van Brocklyn, et al., "Sphingosine 1-phosphate-induced cell rounding and neurite retraction are mediated by the G protein-coupled receptor H218," <i>J. Biol. Chem.</i> , <u>274</u> :4626-4632 (1999) | |
| LL | A287 | Van Veldhoven, "Sphingosine-1-phosphate Lyase" <i>Methods in Enzymology</i> , <u>311</u> :244-254 (1999) | |
| LL | A288 | Van Veldhoven, et al., "Human sphingosine-1-phosphate lyase: cDNA cloning, functional expression studies and mapping to chromosome 10q22," <i>Biochimica et Biophysica Acta</i> , <u>1487</u> :128-134 (2000) | |
| LL | A289 | Veldhoven, et al., "Sphingosine-Phosphate Lyase," <i>Adv. Lipid Res.</i> , <u>26</u> :69-98 (1993) | |
| LL | A290 | Vivekananda, et al., "Sphingomyelin metabolites inhibit sphingomyelin synthase and CTP:phosphocholine cytidyltransferase," <i>Am. J. Physiol. Lung Cell Mol. Physiol.</i> , <u>228</u> :L91-L107 (2001) | |
| LL | A291 | Walev, et al., "Selective killing of human monocytes and cytokine release provoked by sphingomyelinase (beta-toxin) of Staphylococcus aureus," <i>Infect. Immun.</i> , <u>64</u> :2974-2979 (1996) | |
| LL | A292 | Wang, et al., "A Single Amino Acid Determines Lysophospholipid Specificity of the S1P1 (EDG1) and LPA1 (EDG2) Phospholipid Growth Factor Receptors," <i>JBC Papers in Press Published October 16, 2001</i> , Manuscript M107301200 | |
| LL | A293 | Wang & Merrill, et al., <i>Adv. Lipid Res.</i> , <u>26</u> :215-234 (1993) | |
| LL | A294 | Winter, et al., "Making antibodies by phage display technology," <i>Annu. Rev. Immunol.</i> , <u>12</u> :433-455 (1994) | |
| LL | A295 | Xia, et al., "High density lipoproteins (HDL) interrupt the sphingosine kinase signaling pathway. A possible mechanism for protection against atherosclerosis by HDL," <i>J. Biol. Chem.</i> , <u>274</u> :33143-33147 (1999) | |
| LL | A296 | Xia, et al., "Tumor necrosis factor-alpha induces adhesion molecule expression through the sphingosine kinase pathway," <i>PNAS</i> , <u>95</u> :14196-14201 (1998) | |
| LL | A297 | Xu, et al., "Involvement of de novo ceramide biosynthesis in tumor necrosis factor-alpha/cycloheximide-induced cerebral endothelial cell death," <i>J. Biol. Chem.</i> , <u>273</u> :16521-16526 (1998) | |
| LL | A298 | Xu, et al., "Sphingosylphosphorylcholine is a ligand for ovarian cancer G-protein-coupled receptor 1," <i>Nature Cell Biology</i> , <u>2</u> :261-267 (2000) | |



TECH CENTER 1600/2900

 EXAMINER: Louise Lee

DATE: 4/2004

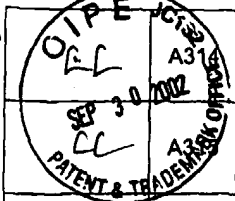
| | | | | | | | |
|--|------|---|--|---------------------------------|--|---|--|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 078853-0302 | | SERIAL NO. 10/028156 APPL_NO04 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANT Roger A. Sabbadini | | | |
| | | | | FILING DATE 12/21/2001 | | GROUP ART UNIT 1654 USPTO_ART_UNIT04 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| CC | A299 | Yada, et al., "Purification and biochemical characterization of membrane-bound epidermal ceramidases from guinea pig skin," <i>J. Biol. Chem.</i> , <u>270</u> :12677-12684 (1995) | | | | | |
| CC | A300 | Yamada, et al., "Nucleotide sequence and expression in <i>Escherichia coli</i> of the gene coding for sphingomyelinase of <i>Bacillus cereus</i> ," <i>Eur. J. Biochem.</i> , <u>175</u> (2):213-220 | | | | | |
| CC | A301 | Yamaji, et al., "Lysenin, a novel sphingomyelin-specific binding protein," <i>J. Biol. Chem.</i> , <u>273</u> :5300-5306 (1998) | | | | | |
| CC | A302 | Yamanaka, et al., "Acid Sphingomyelinase of Human Brain: Purification to Homogeneity," <i>J. Neurochem.</i> , <u>38</u> :1753-1764 (1982) | | | | | |
| CC | A303 | Intentionally Left Blank | | | | | |
| CC | A304 | Yamazaki, et al., <i>Biochem. Biophys. Res. Commun.</i> , <u>268</u> :583-589 (2000) | | | | | |
| CC | A305 | Yatomi, et al., "Sphingosine-1-Phosphate: A Platelet-Activating Sphingolipid Released from Agonist-Stimulated Human Platelets," <i>Blood</i> , <u>86</u> :193-202 (1995) | | | | | |
| CC | A306 | Yatomi, et al., "Sphingosine 1-phosphate, a bioactive sphingolipid abundantly stored in platelets, is a normal constituent of human plasma and serum," <i>J. Biochem.</i> , <u>121</u> :969-973 (1997) | | | | | |
| CC | A307 | Yatomi, et al., "Sphingosine 1-phosphate induces platelet activation through an extracellular action and shares a platelet surface receptor with lysophosphatidic acid," <i>J. Biol. Chem.</i> , <u>272</u> :5291-5297 (1997) | | | | | |
| CC | A308 | Yellon, et al., "Ischaemic preconditioning limits infarct size in the rat heart," <i>Cardiovasc Res.</i> , <u>26</u> :983-987 (1992) | | | | | |
| CC | A309 | Yoshimura, et al., "Inhibition of Neutral Sphingomyelinase Activation and Ceramide Formation by Glutathione in Hypoxic PC12 Cell Death," <i>Journal of Neurochemistry</i> , <u>73</u> :675-683 (1999) | | | | | |
| CC | A310 | Intentionally Left Blank | | | | | |
| CC | A311 | Zager, et al., "Decreased expression of mitochondrial-derived H ₂ O ₂ and hydroxyl radical in cytoresistant proximal tubules," <i>Kidney Int.</i> , <u>52</u> :942-952 (1997) | | | | | |
| CC | A312 | Zechner, et al., "MKK6 inhibits myocardial cell apoptosis via a p38 MAP kinase-dependent pathway," <i>J. Biol. Chem.</i> , <u>273</u> :8232-8239 (1998) | | | | | |
| CC | A313 | Zelinski, et al., "Phosphatidylcholine biosynthesis in isolated hamster heart," <i>J. Biol. Chem.</i> , <u>255</u> (23):11423-11428 (1980) | | | | | |

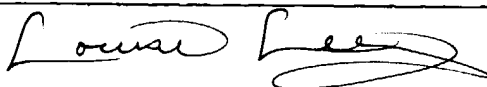
EXAMINER: *Louise Lee*

DATE: 4/2004

10/028156

AU1654

| | |
|---|--|
|  | Zhang, et al., "Human Acid Ceramidase Gene: Novel Mutations in Farber Disease," <i>Molecular Genetics and Metabolism</i> , <u>70</u> :301-309 (2000) |
| | Zhang, et al., "Comparative analysis of three murine G-protein coupled receptors activated by sphingosine-1-phosphate," <i>Gene</i> , <u>227</u> :89-99 (1999) |
| LL A316 | Zhou, et al., "Identification of the First Mammalian Sphingosine Phosphate Lynase Gene and its Functional Expression in Yeast," <i>Biochem. Biophys. Res. Comm.</i> , <u>242</u> :502-507 (1998) |
| LL A317 | Zweerink, et al., "Characterization of a Novel, Potent, and Specific Inhibitor of Serine Palmitoyltransferase," <i>J. Biol. Chem.</i> , <u>267</u> :25032-25038 (1992) |

EXAMINER: 

DATE: 4/2004

RECEIVED

OCT 03 2002

TECH CENTER 1600/2900